

## Lean Green City Government

**City government will lead by example with practices that save money and improve the health of people and the environment.**

Objectives	Indicators/Targets	Background	New Actions
Increase energy and water efficiency of City buildings and facilities	Reduce water & energy use in 25 representative City facilities (target being refined)	City energy and water use in 2002 varied by facility but is decreasing overall	<ul style="list-style-type: none"> <li>■ Increase water efficiency at City parks by installing computerized irrigation systems</li> <li>■ Continue to increase the energy and water efficiency of City buildings by installing more efficient appliances and technologies</li> </ul>
Reduce air pollution and greenhouse gas emissions from City vehicles	<p>Reduce overall fleet fuel use by 5% by 2005</p> <p>At least 50% of new compact car purchases will be hybrid or compressed natural gas vehicles</p>	In 2002 City vehicles burned about 6% less fuel than in 2001, but 2% more than in 1999 (baseline)	<ul style="list-style-type: none"> <li>■ Implement the Clean Green Fleet Program                             <ul style="list-style-type: none"> <li>▶ Increase the use of bio-diesel and low sulfur gasoline</li> <li>▶ Increase purchase of clean, highly efficient vehicles</li> <li>▶ Promote smart transportation choices by City employees</li> </ul> </li> <li>■ Reduce City staff use of vehicles for meetings with "Take the High Road" program</li> </ul>
Buy more environmentally and socially responsible products	To be developed	In 2002, the City realized savings of \$3.28 million in purchasing, increased the number of contracts specifying environmental and human health friendly products, and increased the use of local, small, minority and women owned businesses	<ul style="list-style-type: none"> <li>■ Reduce the City's purchase of products that may cause harm to public health or the environment, especially office supplies and building materials that contain persistent, bioaccumulative toxins (PBTs)</li> <li>■ Increase purchase of products from local and regional companies, and from women- and minority-owned firms</li> <li>■ Increase purchase of wood products from sustainably managed forests</li> </ul>
Design and build City facilities that are healthier for people and the environment, and that cost less to own and operate	<p>Achieve "silver" level of LEED rating system in projects over 5,000 sq ft</p> <p>Others to be developed</p>	Fourteen of 22 City projects meeting this threshold are expected to achieve "silver LEED"	<ul style="list-style-type: none"> <li>■ Continue implementation of the sustainable building policy and program                             <ul style="list-style-type: none"> <li>▶ Complete 5 sustainable building projects in '04</li> <li>▶ Monitor and evaluate the performance of selected "green buildings" to inform future decision</li> <li>▶ Create incentives and other mechanisms to accelerate sustainable building by commercial developers</li> </ul> </li> </ul>

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Continuously improve the City's environmental performance	Implement environmental management systems (EMS) in the five largest departments	Environmental management systems are in development at three of the five largest departments: SPU, Parks, & SDOT	<ul style="list-style-type: none"><li>■ Report on implementation of the City-wide environmental management system</li><li>■ Implement the department-specific environmental management system at Seattle Department of Transportation</li><li>■ Implement EMS at Seattle Public Utilities, Seattle Department of Parks &amp; Recreation, Seattle City Light, and the Fleets &amp; Facilities Department</li></ul>

## Healthy Urban Environments

**We will improve Seattle's quality of life, protect and restore the environment and enhance neighborhood livability.**

Objectives	Indicators/Targets	Background	New Actions
Preserve and increase open space, especially in under-served areas	1 acre open space per 100 residents	The City met this target in 2001 and 2002	<ul style="list-style-type: none"> <li>■ Acquire additional open space in underserved areas, including University District, Denny Triangle, Pioneer Square, Chinatown/International District, Capitol Hill, First Hill</li> </ul>
Protect and enhance the quality and quantity of the urban forest	To be developed	The Urban Forest Management Plan was initiated in late 2002	<ul style="list-style-type: none"> <li>■ Complete and begin implementation of the Urban Forest Management Plan                             <ul style="list-style-type: none"> <li>▶ Establish clear goal for tree-planting and maintenance and greenbelt restoration</li> <li>▶ Identify and implement priority actions to improve the quality of greenbelts and increase the number of healthy trees in Seattle</li> </ul> </li> </ul>
Reduce greenhouse gas (GHG) emissions from City facilities and operations	<p>Zero net emissions of GHG from electricity generation by 2005</p> <p>Total City emissions 7-40% below 1990 levels</p>	In 2001, the City expanded its commitment to reducing greenhouse gas by committing to reduce the City's overall greenhouse gas emissions to at least seven percent below 1990 levels	<ul style="list-style-type: none"> <li>■ Continue implementation of Seattle City Light's greenhouse gas emissions reduction policy and program                             <ul style="list-style-type: none"> <li>▶ Implement at least one local project to offset City Light carbon emissions</li> </ul> </li> <li>■ Work with the Puget Sound Clean Air Agency to develop a regional Climate Protection Action Plan, including goals and strategies for reducing greenhouse gas emissions community-wide</li> <li>■ Increase the use of alternative energy sources through increased participation in the Green Power Program</li> </ul>
Protect and restore urban lakes, creeks, and salmon habitat	To be developed	In 2002, the City began tracking #s of juvenile salmon leaving creeks as a potential indicator	<ul style="list-style-type: none"> <li>■ Clean up algae blooms at Green Lake</li> <li>■ Complete first phase of Thornton Creek Park restoration</li> <li>■ Complete Fautleroy Creek restoration</li> </ul>

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Objectives	Indicators/Targets	Background	New Actions
Protect and restore urban and regional ecosystems during development and redevelopment	To be developed	Several natural systems drainage projects complete or underway	<ul style="list-style-type: none"> <li>■ Continue to direct new growth to urban centers and urban villages as detailed in the Comprehensive Plan</li> <li>■ Complete natural drainage system in Broadview neighborhood</li> <li>■ Create incentives in the City's revised Right-of-Way Improvement Manual for private developers to install natural drainage systems</li> <li>■ Integrate sustainable design and construction products and practices into major infrastructure and neighborhood-scale redevelopment projects, including South Lake Union, Denny Triangle, High Point, Northgate, Central Waterfront/Alaskan Way viaduct/seawall, monorail, and light rail</li> </ul>
Increase open space in downtown Seattle, and make it safer and easier to walk around downtown	To be developed	Design guidelines being developed for Jackson St. and Terry Ave.	<ul style="list-style-type: none"> <li>■ Identify and pursue priority actions for increasing open space in the downtown core; making it more convenient and more pleasant to walk to, from, and among those open and public spaces</li> </ul>
Increase community gardening opportunities, especially in high-density areas	One community garden per 2,500 households in each designated urban village	10 P-Patches have opened since 1994	<ul style="list-style-type: none"> <li>■ Create at least two new P-Patch community gardens per year, targeting urban villages and traditionally underserved neighborhoods (e.g. downtown, Capitol Hill, First Hill, Queen Anne)</li> <li>■ Explore use of public building roof-tops for placement of community gardens downtown</li> </ul>
Reduce City use of pesticides	Sustained 30% reduction in City-wide pesticide use	In 2002, pesticide use on City property except golf courses was reduced 29%, when we include golf courses, pesticide use reduction is at 17%	<ul style="list-style-type: none"> <li>■ Reduce use of pesticides on City-owned golf courses by 20% by the end of 2004, and by 30% by the end of 2008</li> <li>■ Increase the number of pesticide-free parks</li> </ul>
Reduce stormwater pollution	Average of one combined sewer overflow per site per year by 2020	<p>Draft plan in development</p> <p>Combined sewer overflows have dropped consistently over the past few years</p>	<ul style="list-style-type: none"> <li>■ Implement drainage improvement projects in six priority drainage basins</li> <li>■ Coordinate with King County during major development to further reduce combined sewer overflows</li> <li>■ Identify and implement other priority actions to improve water quality, drainage, and urban creek habitat, through the update of the Comprehensive Drainage Plan</li> </ul>

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Objectives	Indicators/Targets	Background	New Actions
Protect environmentally sensitive areas	To be developed	<p>Initiated revisions to the Environmentally Critical Areas ordinance</p> <p>Added staff fisheries and wetlands biologists and required biological review of proposed projects</p>	<ul style="list-style-type: none"> <li>■ Revise the Critical Areas Ordinance to protect wetlands, stream corridors and steep slopes during development</li> <li>■ Create marine reserves in City-owned marine and inter-tidal areas at Golden Gardens, Carkeek Park, South Alki/Richey Viewpoint, Lincoln Park, Schmitz Viewpoint and Discovery Park.</li> </ul>
Protect and improve local and regional air quality	Increased local/regional use of biodiesel	Currently, all city diesel vehicles use B20 (20% biodiesel) and ultra low sulfur diesel blend	<ul style="list-style-type: none"> <li>■ Continue to promote the use of "green" vehicles and fuels through the Clean Cities Coalition</li> <li>■ Use purchasing power and other incentives to encourage location of biodiesel production facility in Seattle area</li> <li>■ Negotiate use of biodiesel in City-contracted garbage trucks</li> <li>■ Continue "no-idling" campaign at Seattle drawbridges</li> <li>■ Continue active participation in Puget Sound Clean Air Agency</li> </ul>

### Strong Environmental Practices

**We will encourage resident, businesses and other institutions to use resources more efficiently and adopt environmentally responsible practices.**

Objectives	Indicators/Targets	Background	New Actions
Increase energy efficiency of residential and commercial consumers	Conserve 7.25 average megawatts per year	In 2002, with technical and financial assistance from City Light, customers conserved 9.0 average megawatts	<ul style="list-style-type: none"> <li>■ Continue technical assistance and incentives to residential, small commercial and larger commercial/industrial customers</li> </ul>
Increase water efficiency of residential and commercial consumers	1% reduction per year for ten years; 18 million gallons per day saved by 2010	In 2002, signed contract and initiated work with the UW	<ul style="list-style-type: none"> <li>■ Implement major conservation projects with the University of Washington</li> <li>■ Install water conservation measures in 10,000 low-income housing units</li> <li>■ Encourage non-Seattle consumers of the regional water supply (e.g., suburban cities) to increase their water-use efficiency</li> </ul>
Reduce generation of solid waste, and increase recycling rates	Reduce solid waste generation 2% and increase recycling diversion rates to 58% by 2008	<p>Seattle recycles 38% of all solid waste. Between 1987 and 1995, recycling has saved the City and its residents \$12million.</p> <p>New proposal to ban recyclables in waste stream</p>	<ul style="list-style-type: none"> <li>■ Implement the Mayor's proposed waste reduction and recycling program improvements, including: <ul style="list-style-type: none"> <li>▶ Phased-in ban on disposal of paper, cardboard, and yard waste by commercial customers</li> <li>▶ Phased-in ban on garbage disposal of most curbside recyclables by residential customers.</li> </ul> </li> <li>■ Evaluate potential for commercial food waste collection program</li> <li>■ Add more businesses to curbside recycling program</li> <li>■ Continue "Use It Again, Seattle" campaign</li> </ul>
Increase adoption of sustainable practices by Seattle businesses	To be developed	Planning is underway for this new objective.	<ul style="list-style-type: none"> <li>■ Launch and begin implementation of Sustainable Business Development Initiative <ul style="list-style-type: none"> <li>▶ Help Chamber of Commerce establish a Business Sustainability Committee</li> <li>▶ Produce a resource guide for maritime industry</li> <li>▶ Work with the Economic Development Council and the Northwest Network for Business Innovation and Sustainability on two major sustainable business conferences in 2004</li> <li>▶ Develop and implement economic development strategies for clean energy and green building sectors <ul style="list-style-type: none"> <li>• Participate in public-private partnership to develop Sustainable Design Resource Center</li> </ul> </li> </ul> </li> </ul>

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Objectives	Indicators/Targets	Background	New Actions
Raise community awareness of environmental impacts and promote involvement in environmental solutions	To be developed	The City has a number of programs in place to raise community awareness of, and promote actions toward environmental sustainability. However, to date there are no outcome measures in place.	<ul style="list-style-type: none"> <li>■ Expand Natural Lawn Care program to Fauntleroy, Magnolia, and other neighborhoods</li> <li>■ Continue neighborhood involvement programs such as Clean Seattle Initiative, P-Patch, Neighborhood Matching Fund, Tree Stewards, Creek Stewards, Adopt-A-Street, and Adopt-a-Park</li> <li>■ Continue environmental education and stewardship programs, such as the environmental stewardship programs at community centers</li> </ul>
Promote environmental justice	To be developed	Seattle Public Utilities completed an environmental justice needs assessment in the International District	<ul style="list-style-type: none"> <li>■ Provide field trips and other educational opportunities about water conservation, household hazardous waste, and other environmental programs to refugee and immigrant populations in International District/Yesler Terrace</li> <li>■ Conduct an environmental justice needs assessment of Filipino, Samoan, and East African refugee and immigrant populations in White Center</li> <li>■ Develop and Environmental Justice Action Agenda that identifies and responds to disproportion in the allocation of City environmental services and program resources</li> </ul>

## Smart Mobility

**We will improve mobility by promoting transportation choices that make our neighborhoods safer and healthier.**

Objectives	Indicators/Targets	Background	New Actions
Create and support alternatives to driving alone	<p>Reduce miles traveled in the community by one million miles by 2007</p> <p>Reduce percentage of City employees driving alone to work by 35% from 1992 levels</p>	<p>City programs resulted in 150,000 fewer car trips and 1,522,000 fewer miles driven in Seattle neighborhoods in 2000-2002</p> <p>We are exceeding the target for employees who work downtown, however, we are not reaching the target for those working at most locations outside of downtown</p>	<ul style="list-style-type: none"> <li>■ Increase use of alternatives to single-occupancy car trips <ul style="list-style-type: none"> <li>▶ Continue implementation of the "Way To Go, Seattle" programs, including the "One Less Car Challenge" to increase awareness of the benefits of owning fewer cars</li> </ul> </li> <li>■ Reduce the number and percentage of City employees driving alone to work, particularly outside the downtown area <ul style="list-style-type: none"> <li>▶ Facilitate bicycle commuting by improving bicycle parking and shower options</li> </ul> </li> <li>■ Explore program to match City employees with closer-to-home work sites (e.g., Proximate Commute)</li> <li>■ Reduce City employee work trips by providing reimbursement for using transit and encourage bikes to meetings instead of fleet cars</li> </ul>
Make Seattle the most bike- and pedestrian-friendly city in the country	% of urban trail system complete	<p>In 2000, 10,000 more residents used public transportation than in 1990</p> <p>Westlake trail complete</p> <p>Burke Gilman missing link plan established</p>	<ul style="list-style-type: none"> <li>■ Continue pedestrian safety and access improvements including access ramps, sidewalks, school crossings <ul style="list-style-type: none"> <li>▶ Improve crosswalk safety in three corridors per year by consolidating crosswalk, signal and transit stop locations for safety and convenience; corridors for 2003 are Rainier, 23<sup>rd</sup> and Westlake</li> </ul> </li> <li>■ Continue pedestrian and bicycle safety and access improvements <ul style="list-style-type: none"> <li>▶ Increase use of Pioneer Square Bike Station through Bike Bingo and other bike awareness programs</li> </ul> </li> </ul>



## Smart Mobility

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Objectives	Indicators/Targets	Background	New Actions
Help create and support fast, safe, reliable, and convenient public transit	<p>Improved transit ridership in key corridors</p> <p>Improved transit travel times or average speeds (create baseline in 2003)</p>	The City works closely with other local and regional transportation agencies to increase public transit opportunities for all Seattleites	<ul style="list-style-type: none"> <li>■ Work to increase Metro bus service in Seattle</li> <li>■ Invest in and support local and regional transit projects, including the Monorail, Light Rail, and the South Lake Union streetcar</li> <li>■ Develop and implement mobility strategy for city center; implement actions to improve transit mobility to and through downtown and nearby key destinations</li> <li>■ Develop and implement city-wide transit plan; identify new transit routes or facilities and priorities for investment</li> <li>■ Create transit priority and business access lanes (BAT) and other HOV lanes on key transit routes, such as Aurora Avenue and Lake City Way</li> <li>■ Implement transit signal priority on key transit routes</li> <li>■ Work with other agencies (Metro, state, etc.) to create multi-modal hubs</li> </ul>
Encourage major local and regional transportation infrastructure improvements to use sustainable design and construction practices	To be developed	In the last couple of years the City has increased its efforts to promote sustainable design and construction of transportation infrastructure projects	<ul style="list-style-type: none"> <li>■ Work to integrate sustainable design and construction practices into the following projects: <ul style="list-style-type: none"> <li>▶ Seattle Popular Monorail Project</li> <li>▶ South Lake Union streetcar</li> <li>▶ Alaskan Way viaduct/seawall replacement</li> <li>▶ Mercer Corridor redevelopment</li> <li>▶ Sound Transit Light Rail Project</li> </ul> </li> </ul>
Manage traffic to enhance neighborhood livability	To be developed	The City works to ensure neighborhood traffic volumes and speeds that protect neighborhood safety and livability	<ul style="list-style-type: none"> <li>■ Use traffic calming and other design features to enhance neighborhood character (e.g., Terry Avenue design plan)</li> <li>■ Design and build transportation projects that support attractive, compact, walkable neighborhoods in urban villages</li> </ul>

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Objectives	Indicators/Targets	Background	New Actions
Reduce air pollution and fuel consumption by improving traffic flow efficiency	Improved travel times along key corridors that have signals optimized  Average condition of pavement	In 2001 and 2002, 203 signals were optimized in 14 corridors. Traffic flow improvement was measured in four corridors, where flow improved between 15-28%	<ul style="list-style-type: none"> <li>■ Optimize 150 signals in 12 corridors</li> <li>■ Pave and rehabilitate key arterials</li> <li>■ Reduce engine-idling by installing signs on bridges</li> <li>■ Re-stripe lanes and replace missing lane markers</li> <li>■ Replace damaged, faded or missing traffic, directional and regulatory signs</li> </ul>
Price and manage parking to support healthy business districts, transit use, and traffic flow	To be developed	In managing parking, the City strives to retain and enhance access to businesses without inadvertently encouraging unnecessary car use	<ul style="list-style-type: none"> <li>■ Manage parking to improve traffic flow and encourage use of public transit</li> <li>■ Install parking meters in Belltown and Chinatown/International District</li> <li>■ Install pay stations in key areas</li> <li>■ Redeploy single-space electronic meters to new areas; retire mechanical meters</li> </ul>